

Message

From: Nordine, John [nordine.john@epa.gov]
Sent: 4/1/2014 9:04:26 PM
To: Kristy Morrison [klmorrison@co.mchenry.il.us]
CC: Bob Kay [rtkay@usgs.gov]; Moore, Tammy [moore.tammy@epa.gov]; Peaceman, Karen [Peaceman.Karen@epa.gov]
Subject: RE: Tech Alloy Facility, Union

Ms. Morrison,

Based on the information you provided to the EPA. The EPA believes it is possible that the proposed high capacity well could influence the remediation efforts by the Techalloy site. Please inform the EPA on the outcome in this matter. If you have any questions or concerns please contact me.

Respectfully,

John Nordine, CPG, LPG
 U.S. EPA, Region 5
 RCRA Corrective Action Section
 77 W. Jackson Blvd. LU-9J
 Chicago, Illinois 60604

Phone: 312-353-1243
 Fax: 312-385-5338

"The great end of education is to discipline rather than finish the mind; to train it to use of its own powers rather than to fill it with the accumulation of others." Tryon Edwards
 "Don't interfere with anything in the Constitution. That must be maintained, for it is the only safeguard of our liberties" Abraham Lincoln

From: Kristy Morrison [mailto:klmorrison@co.mchenry.il.us]
Sent: Tuesday, April 01, 2014 10:26 AM
To: Nordine, John
Subject: RE: Tech Alloy Facility, Union

Mr. Nordine,

The Hydrological Assessment provided to the Department from Autumnwood ESH Consultants, LLC regarding the proposed high capacity well for the property denotes:

1. 60 feet in depth
2. 20 feet screened
3. Sand and gravel aquifer
4. 16" diameter well
5. 800 gallon per minute pump
6. Pump will run approximately 40 hours per week (24% of the week and 5% of the year)
7. Proposed draw down is expected at 2 feet within 1200' distance

Please let me know if you need additional information.

Kristy Morrison, L.E.H.P.
 Groundwater Protection Specialist
 McHenry County Department of Health
 2200 N Seminary Ave
 Woodstock, IL 60098
 815.334.4585 - office

815.334.4637 - fax
www.mcdh.info

From: Nordine, John [<mailto:nordine.john@epa.gov>]
Sent: Tuesday, April 01, 2014 8:44 AM
To: Kristy Morrison
Cc: Bob Kay
Subject: FW: Tech Alloy Facility, Union

Ms. Morrison;

I am the new Project Manager for the Techalloy Site in Union, Illinois. I have a few questions on your request.

- Provide details on the proposed high capacity well. Such as gallons pumped per minute, depth and diameter of well, and length of screen.
- Can you send me a proposed as built of the well?
- What aquifer do they propose to pump from?

Respectfully,

John Nordine, CPG, LPG
U.S. EPA, Region 5
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Chicago, Illinois 60604

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From: Sundar, Bhooma
Sent: Tuesday, April 01, 2014 8:09 AM
To: Nordine, John
Cc: klmorrison@co.mchenry.il.us
Subject: FW: Tech Alloy Facility, Union

John,

Could you please respond to the query from Kristy regarding the permit application for a proposed high capacity well?. If the contaminant plume originating from Techalloy is not stabilized and prone to expansion due to down gradient high capacity wells within the contaminated aquifer, it is worth looking into requesting the city to implement a groundwater ordinance for new well installation. Thanks.

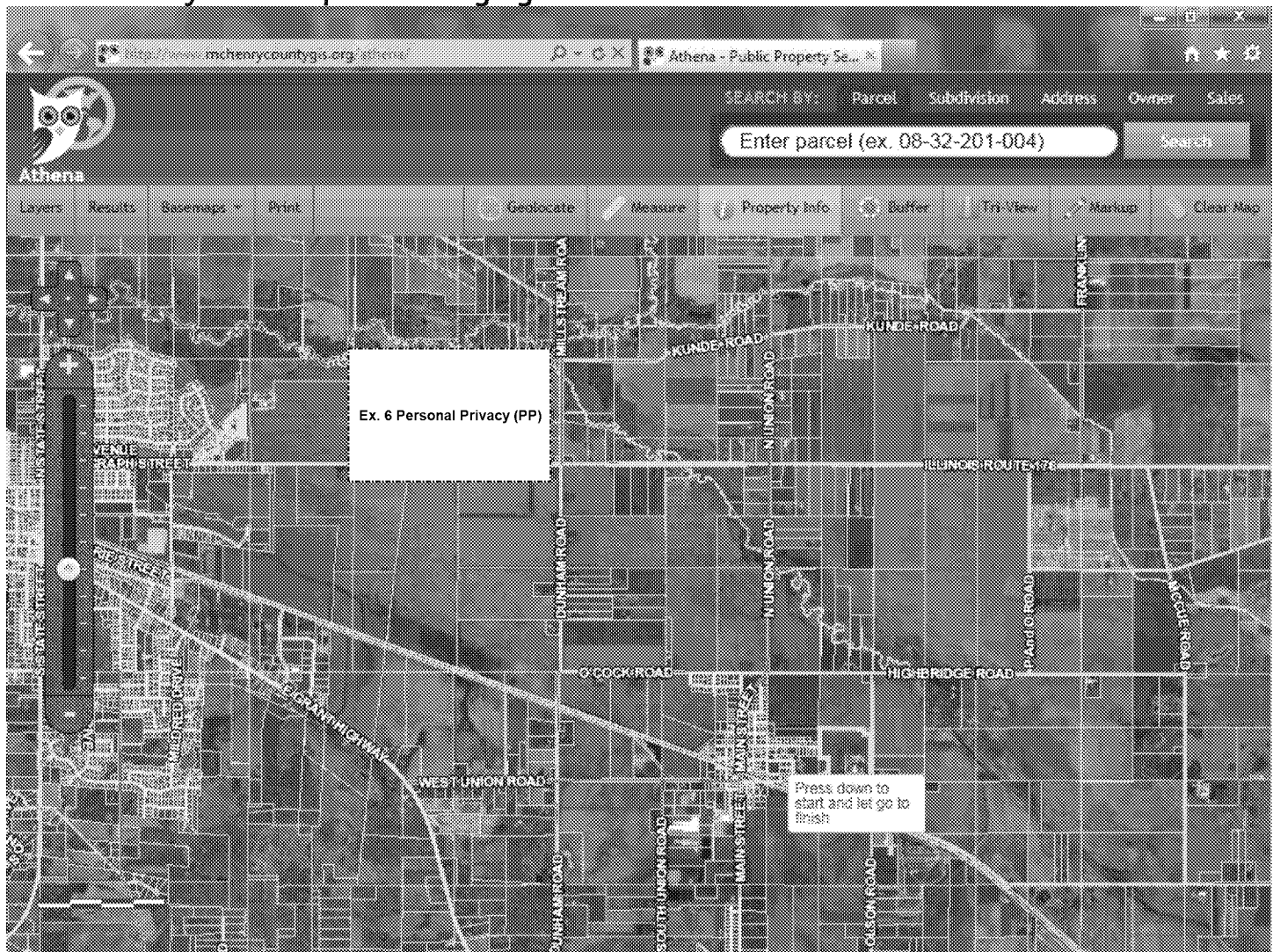
Bhooma Sundar
Toxicologist
RCRA Corrective Action (LU-9J)
Land and Chemicals Division
USEPA Region 5

77, W.Jackson Blvd, Chicago, IL 60604
Tel: 312-886-1660

From: Kristy Morrison [mailto:klmorrison@co.mchenry.il.us]
Sent: Monday, March 31, 2014 11:46 AM
To: Sundar, Bhooma
Subject: Tech Alloy Facility, Union

Hello Ms. Sundar,

We spoke last year regarding the Tech Alloy facility located in Union. I would like to confer with you regarding a permit application for a proposed high capacity water well located at Ex. 6 Personal Privacy (PP). I believe in our previous conversation you mentioned that the installation of the high capacity water well located at Ex. 6 Personal Privacy (PP) [which is the parcel east of this proposed permit application] changed the contamination plume direction from the Tech Alloy site and interfered with remediation efforts. If this is the case, could you please respond at your convenience if the proposed irrigation well will possibly interfere with the remediation efforts ongoing for the Tech Alloy site? I have enclosed an aerial view of the proposed well site in relationship to the Tech Alloy site. Both parcels are highlighted in blue.



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